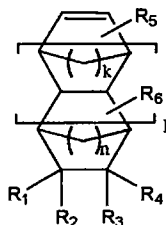


Amendments to the Specification:

Please replace paragraph at page 4, lines 5-26 with the following amended paragraph:

For example, in the case of preparing a photoresist copolymer from alicyclic olefin derivatives, for example, as represented by the following Chemical Formula 4, polymerization is performed by dissolving two or more compounds represented by Chemical Formula 4 and a cross-linking monomer of Chemical Formula 1 in organic solvent, and adding a radical initiator or a metal catalyst to the resultant solution to induce polymerization:

<Chemical Formula 4>



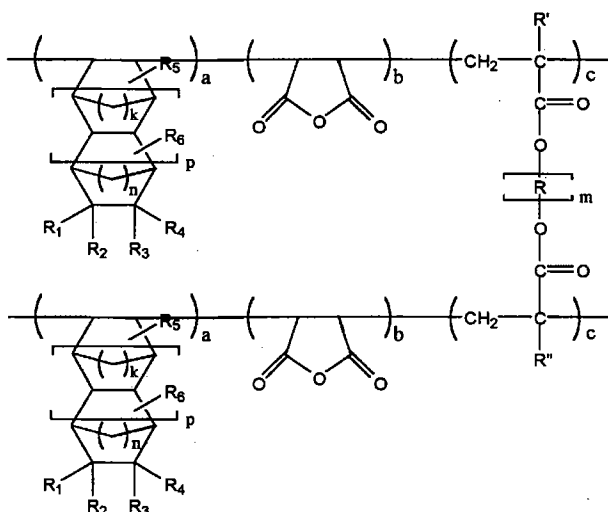
wherein, k and n individually represent the number 1 or 2; p represents a number from 0 to 5, R₅ and R₆ individually represent hydrogen or methyl, R₁, R₂, R₃ and R₄ individually represent hydrogen, straight or branched C₁₋₁₀ alkyl, straight or branched C₁₋₁₀ ester, straight or branched C₁₋₁₀ ketone, straight or branched C₁₋₁₀ carboxylic acid, straight or branched C₁₋₁₀ acetal, straight or branched C₁₋₁₀ alkyl including at least one hydroxyl group, straight or branched C₁₋₁₀ ester including at least one hydroxyl group, straight or branched C₁₋₁₀ ketone including at least one hydroxyl group, straight or branched C₁₋₁₀ carboxylic acid including at least one hydroxyl group, and straight or branched C₁₋₁₀ acetal including at least one hydroxyl group. ~~In one embodiment, at least one of R₁, R₂, R₃, and R₄ represent straight or branched C₁₋₁₀ alkyl including at least one hydroxyl group, straight or branched C₁₋₁₀ ester including at least one hydroxyl group, straight or branched C₁₋₁₀ ketone including at least one hydroxyl group, straight or branched C₁₋₁₀ carboxylic group including at least one hydroxyl group, straight or branched C₁₋₁₀ acetal~~

~~including at least one hydroxyl group. In another embodiment, all of R1, R2, R3, and R4 do not represent hydrogen at the same time.~~

Please replace the paragraph at page 5, line 8 - page 6, line 8 with the following amended paragraph:

A desirable photoresist polymer prepared by using the polymerization process of the present invention is represented by following Chemical Formula 5:

<Chemical Formula 5>



wherein, k and n individually represent the number 1 or 2; m represents a number from 1 to 10; p represents a number from 0 to 5; R', R'', R₅ and R₆ individually represent hydrogen or methyl; R is selected from the group consisting of straight or branched C₁₋₁₀ alkyl, straight or branched C₁₋₁₀ ester, straight or branched C₁₋₁₀ ketone, straight or branched C₁₋₁₀ carboxylic acid, straight or branched C₁₋₁₀ acetal, straight or branched C₁₋₁₀ alkyl including at least one hydroxyl group, straight or branched C₁₋₁₀ ester including at least one hydroxyl group, straight or branched C₁₋₁₀ ketone including at least one hydroxyl group, straight or branched C₁₋₁₀ carboxylic acid including at least one hydroxyl group, and straight or branched C₁₋₁₀ acetal including at least one hydroxyl group; R₁, R₂,

R₃ and R₄ are individually selected from the group consisting of hydrogen, straight or branched C₁₋₁₀ alkyl, straight or branched C₁₋₁₀ ester, straight or branched C₁₋₁₀ ketone, straight or branched C₁₋₁₀ carboxylic acid, straight or branched C₁₋₁₀ acetal, straight or branched C₁₋₁₀ alkyl including at least one hydroxyl group, straight or branched C₁₋₁₀ ester including at least one hydroxyl group, straight or branched C₁₋₁₀ ketone including at least one hydroxyl group, straight or branched C₁₋₁₀ carboxylic acid including at least one hydroxyl group, and straight or branched C₁₋₁₀ acetal including at least one hydroxyl group, and the ratio a : b : c is preferably 1-50 mol% : 10-50 mol% : 0.1-20 mol%. ~~In one embodiment, at least one of R₁, R₂, R₃, and R₄ represent straight or branched C₁₋₁₀ alkyl including at least one hydroxyl group, straight or branched C₁₋₁₀ ester including at least one hydroxyl group, straight or branched C₁₋₁₀ ketone including at least one hydroxyl group, straight or branched C₁₋₁₀ carboxylic group including at least one hydroxyl group, straight or branched C₁₋₁₀ acetal including at least one hydroxyl group.~~ In another embodiment, all of R₁, R₂, R₃, and R₄ do not represent hydrogen at the same time.